

Sort the Numbers

Time: 1000ms
Memory: 25600KB

You are given n numbers. Your task is to sort them in ascending order.

Input

The first line consists of T , which is the number of test cases. Then, in each test case, the first line is N , which is the number of integers. Then, in the next line, N integers are given.

Output

Display the given numbers sorted in ascending order.

Sample Input:

```
3
3
1 3 2
4
5 2 3 6
5
5 4 3 2 1
```

Sample Output:

```
1 2 3
2 3 5 6
1 2 3 4 5
```